



**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

Patent Application

Inventor(s): D. T. Neilson

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Case: 8-4

Serial No.: 09/896,085

Group Art Unit: 2874

Filed: June 29, 2001

Examiner: Kevin S. Wood

Title: Imaging Technique For Use With Optical MEMS Devices

THE COMMISSIONER OF PATENTS AND TRADEMARKS

WASHINGTON, D.C. 20231

SIR:

AMENDMENT AFTER FINAL REJECTION

In response to the Office Action dated February 25, 2003, please amend above-identified application as follows:

IN THE CLAIMS

Replacement claim 1

1 1. (Twice amended) An optical switch, comprising
 2 a first micro-electro mechanical system (MEMS) device containing a first number
 3 of micro mirrors tiltable about at least a first axis;
 4 a second micro-electromechanical system (MEMS) device containing a second
 5 number of micro mirrors tiltable about at least said first axis; and
 6 a first imaging system optically coupled to said first MEMS device so as to
 7 produce an image of each of said micro mirrors of said first MEMS device on a
 8 corresponding micro mirror of said second MEMS device;
 9 so that at least one of said micro mirrors of said first MEMS device is grouped by
 10 said first imaging system with at least one of said micro mirrors of said second MEMS
 11 device such that the angle of reflection from said at least one grouped micro mirror of
 12 said first MEMS device and the angle of reflection from said at least one grouped micro
 13 mirror of said second MEMS device combine to produce an overall effective angle about

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